(d) The generation target of NTPC stations during 2001-02 (terminal year of Ninth Plan) is 132550 Million Units (tentative)

Cost of generating power through various resources

† 4339. DR. D. MASTHAN:
SHRI RAM JETHMALANI:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that the cost of generation of hydro power is much less than the cost of power generation by other resources;

(b) if so, the estimated production cost of power generated through hydro, thermal and nuclear power sectors, separately;
and

(c) the estimated production cost of the power in the projects using coal and naphtha for power generation?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) It is a fact that in long run, the cost of power generation from hydro power station is generally much less than the cost of power generation from other sources of energy.

(b) The estimated production cost of power generation from hydro and thermal power stations of various States for the year 1999-2000 is given in Statement-I. (See below) The tariff for sale of power from various atomic power stations during the years 1996-97 to 1999-2000 varies from 82 paise/Kwh to 295 paise/Kwh.

(c) The cost of power generation from the coal-based thermal power stations in the State Sector is given in Statement-II and for

† Original notice of the Question was received in Hindi.

NTPC project in Statement-Ill. (See below) The cost of power generation for the year 1999-2000 from naphtha-D3sed power station for Kayamkulam Power Station of NTPC being run at present on naphtha is Rs. 4.35/Kwh.

Statement-I

Cost of power generation of various SEBs for the year 1999-2000
(Paise/Kwh)

s. No.	Name of SEBs	Hydro	Thermal	Average
1.	Haryana	147.99	229.96	224.54
2.	Delhi	—	252.79	244.00*
3.	Rajasthan	26.72	192.20	142.92
4.	Punjab	34.85	190.69	131.87
5.	Maharashtra	36.62	124.90	115.30*
6.	West Bengal	184.75	153.29	161.05
7.	Meghalaya	77.22	—	77.22
8.	Himachal Pradesh	122.70	—	122.70
9.	Tamil Nadu	32.68	185.78	153.90

*Including gas.

Statement-II

Cost of Generation for Thermal Power Stations of SEBs

s. No.	Name of SEBs/Power Stations	Capacity (MW)	Cost of 1997-98	Generation Paise/Kwh 1998-99	1999-
	(A) ANDHRA PRADESH				
1.	Vijaywada-I	2x210	96.931		
	Vijaywada-II	2x210	114.649	126.52	
	Vijaywada-IIl	2x210	122.308		
2.	Kothagudem 'A'	4x60	103.795		
	Kothagudem 'B'	2x105	112.359	180.52	
	Kothagudem 'C'	2x110	105.881		
	Kothagudem 'D'	2x250	125.410		
3.	Ramagundem 'B'	62.5	96.373	143.77	
4.	Rayal Sectna	2x210	148.398	196.31	
5	Nellore	1x30	172.514	356.97	
	(B) GUJARAT				
1.	Dhuvaran	588	117.11	162.43	163.63
2.	Wanakbori	1260	161.10	158.72	173.77
3.	Gandhi Nagar	660	178.40	218.48	221.57
4.	Ukai	850	167.91	156.30	146.83
5.	Utran	180	129.16	130.23	124.56
6.	Sikka	240	237.41	290.04	274.45
7.	KLTPS	140	127.97	244.02	226.85
	(C) WEST BENGAL				
1-	Bandal T.P.S.	530	130.31	140.00	151.57
2.	Santhaldihi	480	142.45	157.87	156.15

s. No.	Name of SEBs/Power Stations	Capacity (MW)	Cost of 1997-98	Generation 1999-2000 Paise/Kwh	1998-99
	(D) UTTAR PRADESH				
1.	Obra 'A*	550	166.22	181.07	
	Obra B'	1000	109.13	110.81	
2.	Harduaganj 'B*	210	272.36	333.88	
	Harduaganj 'C*	230	401.81	325.93	
3.	Panki Extn.	220	197.46	216.31	
4.	Parichha TPS	220 (2x110)	261.57	255.59	
5.	Tanda	3x110	240.05	258.53	
6.	Anpara "A* Anpara 'B'	3x210	91.43	94.04	
	(E) MADIIYA PRADESH	2x500	155.98	159.91	
1.	Korba (East) St.I	3x30	102.03	114.35	
	Korba St. 11	1x10	102.14	117.18	
	Korba St.Ill	4x40 2x120			
2.	Korba (West) St.I	2x210	71.66	76.97	
	Korba St.II	2x210	88.49	77.98	
3.	Sarni St.I	5x62.5	161.62	141.78	
	Sarni St II	1x200 1x210	136.54	133.90	
4.	Sarni St.Ill	2x210	133.53	133.05	
5.	Amar Kantak St.I	2x30	148.85	186.91	
	Amar Kantak St.II	2x120	180.57	124.31	
6.	Sanjay Gandhi St.I	2x210	173.95	177.05	

s. No.	Name of SEBs/Power Stations (MW)	Capacity	Cost of 1997-98	Generation Paise/Kwh 1998-99	1999-2000
	(F) TAMIL NADU				
1.	Ennore TPS	3x110+ 2x60 =450	230.13	221.47	269.52
2.	Mettur	4x210 - 840	161.35	174.62	183.59
3.	Tuti Corin	5x210 = 1050	157.24	173.44	157.95
4.	North Chennai	3x210 =630	206.86	208.42	213.93
	(G) MAHARASHTRA				
1.	Khaperkheda	420 (2x210	120.89	140.24	136.66
2.	Paras	62.5	200.66	183.21	159.70
3.	Bhusawal	1x62.5+ 2x210	126.19	135.32	126.05
4.	Nasik	2x140+ 3x210	143.04	136.11	134.38
5.	Parli-Vaiznath	2x30+ 3x210	162.33	159.66	153.51
6.	Koradi	4X120+ 1x200+ 2x210	117.27	122.86	131.78
7.	Chandrapur	4x210+ 3x500	111.31	124.73	108.94
8.	Uran Gas	4X60+ 4x108+ 2x120	111.91	89.18	110.29

s. No.	Name of SEBs/Power Stations	Capacity (MW)	Cost of 1997-98	Generation Paise/Kwh 1998-99	1999-2000
	(H) HARYANA				
1.	Panipat	650	210.44	—	222.91
2.	Faridabad (I)	165	239.91		251.29
	PUNJAB				
1.	Ropar	1260	160.20	153.67	170.85
2.	Bathinda	440	176.57	223.26	191.31
3.	G.H.T.P. Lehra Mohabat			147.88	245.41
	(J) RAJASTHAN				
1.	Kota	850	179.38	158.12	155.60
2.	Ramgarh Turbine Project	38.5	215.38	228.62	289.42
3.	Satpura	8	85.66	99.12	117.90
4.	Suratgarh			300.14	355.93
	(K) D.V.B.				
1.	I.P. Station (I to V)	284.10	230	316	272
2.	R.P.H. {I & II)	135	278	281	240
3.	G.T.P. & WHRU	282	194	233	227
	(L) BIHAR				
1.	Patratu T.P.S.	—	212.90	217.36	
2.	Barauni T.P.S.	—	399-31	284,86	
3.	Muzaffarpur T.P.S.		542.82	374.11	
	(M) ORISSA				
1.	IB. T.P.S.	2x210	149.00	125.00	

Statement III

Details of cost of generation of coal based NTPC projects for the year 1999-2000

(Provisional)

Station	Generation Cost (P/Kwh)
Singrauli STPP	75.25
Korba STPP	53.85
Ramagundam STPP	98.10
Farakka STPP	152.05
Vindhyachal STPP	99.27
Rihand STPP	105.46
Unchahar STPP	146.43
Dadri Thermal	194.82
Kahalgaon STPP	137.10
Talcher STPP	116.97
Talcher TPS	105.36
Tanda	343.87

Decline in Production of Thermal and Hydro Power

4340. SHRI K.M. KHAN: Will the Minister of POWER be pleased to state:

(a) whether there is a sharp decline in the production of thermal and hydro power during the last three years;

(b) if so, the detials thereof, State-wise; and

(c) the reasons for the decline in the generation of power and the steps taken to improve the power generation capacity?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) The growth